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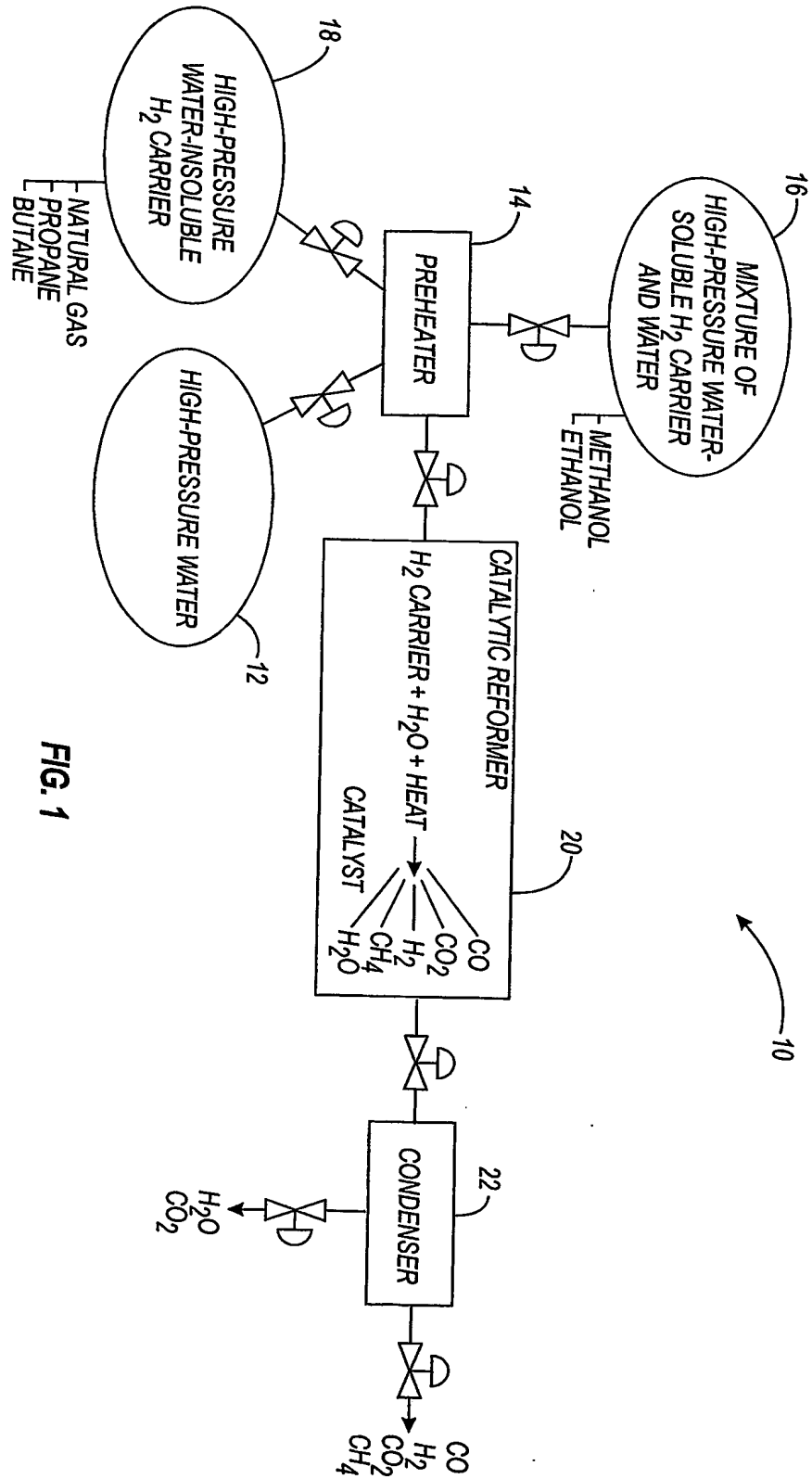


FIG. 1

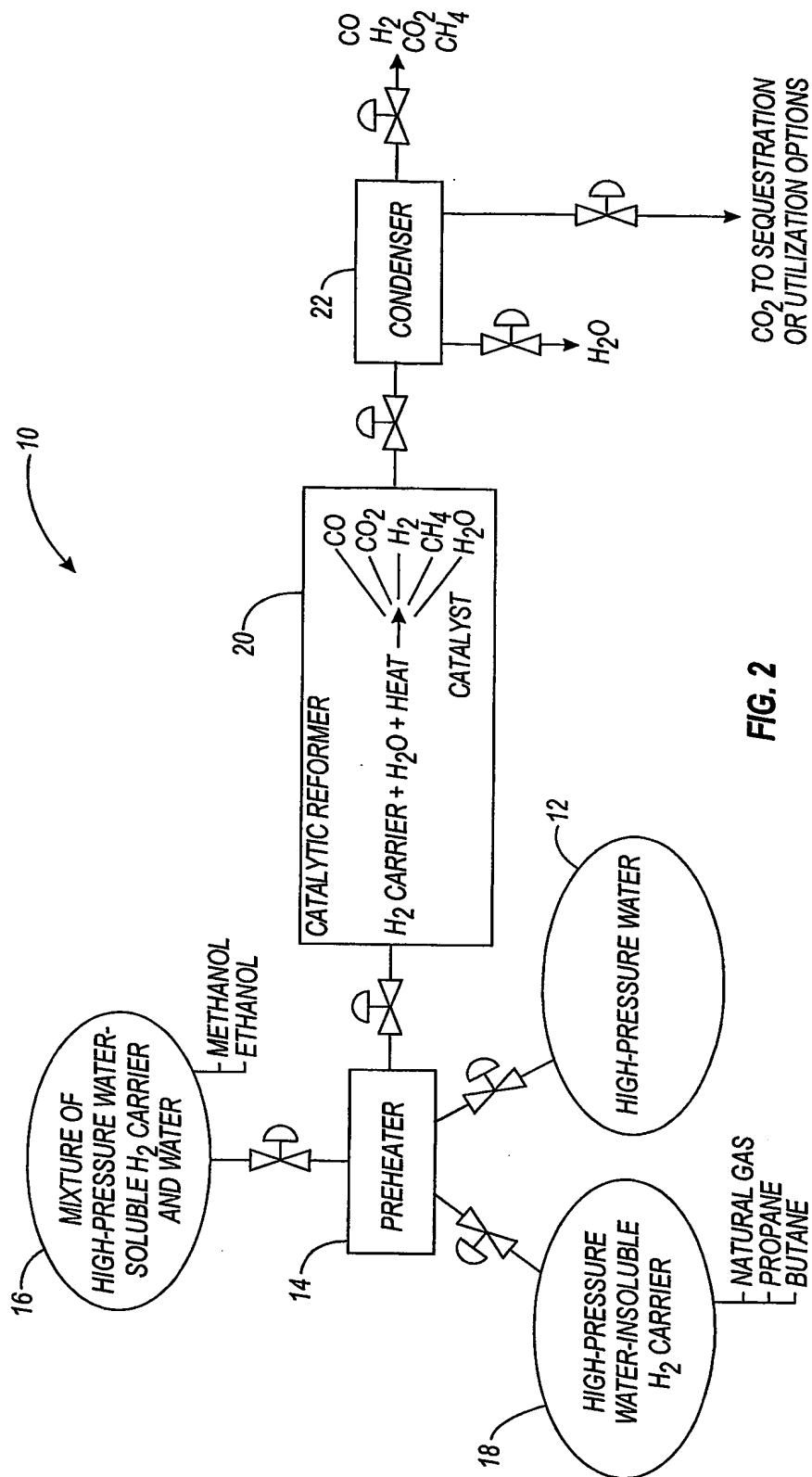


FIG. 2

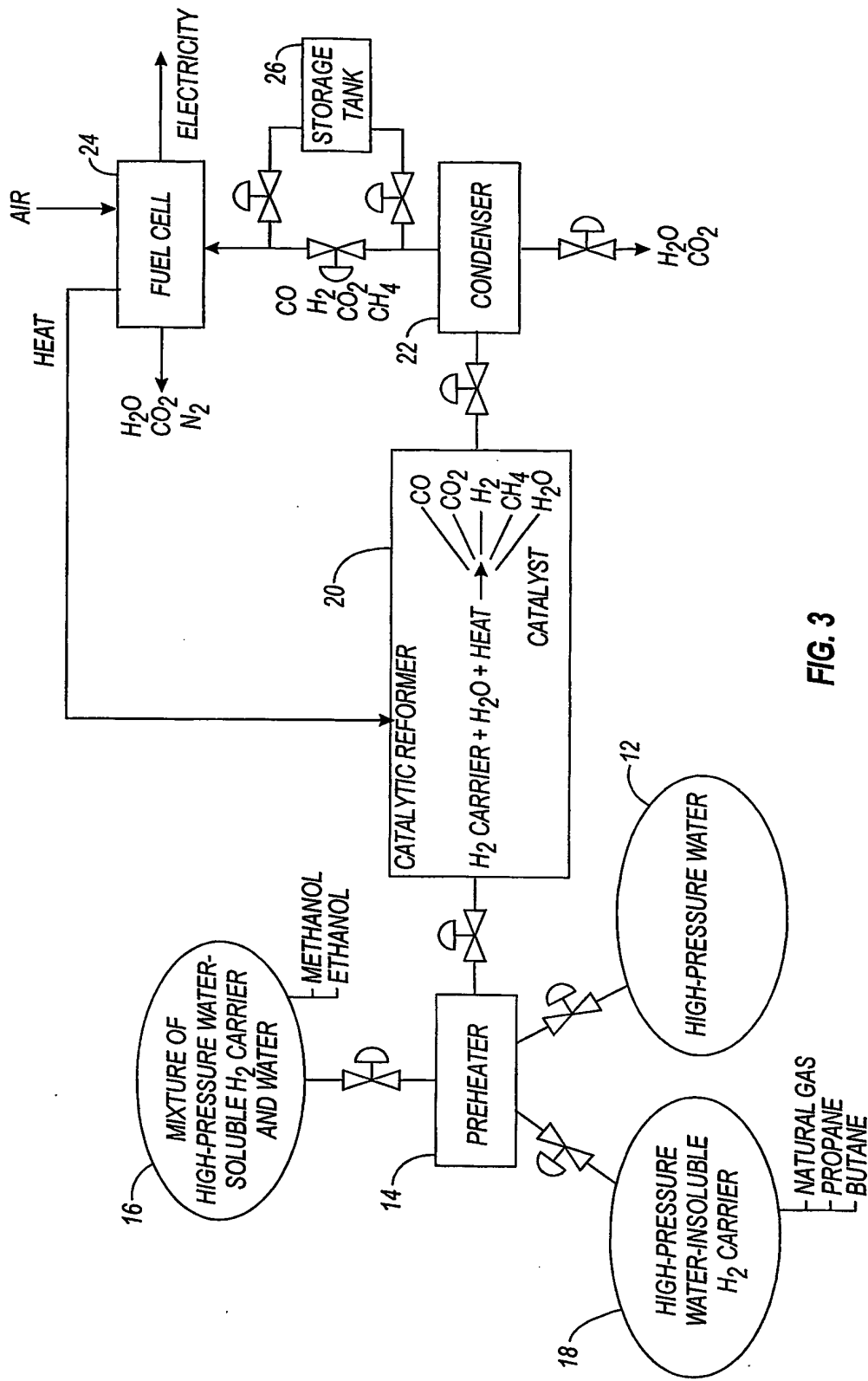


FIG. 3

High-Pressure Hydrogen from Natural Gas—Product Gas Composition

Sample	Continuous 1	Batch 1	Batch 2	Batch 3
Hydrogen, mol%	19.3	19.9	16.9	16.4
Carbon Dioxide, mol%	7.6	8.6	5.1	6.3
Methane, mol%	72.6	70.1	76.6	75.7
Ethane, mol%	0.4	1.1	1.2	1.4
Propane, mol%	0.0	0.3	0.0	0.1
cis-2-Butene, mol%	0.0	0.0	0.0	0.0
Carbon Monoxide, mol%*	0.0	0.0	0.0	0.0

* Analytical detection limit for carbon monoxide was 100 ppm.

FIG. 4

High-Pressure Hydrogen from Methanol—Product Gas Composition

Sample	Continuous 1	Continuous 2	Batch 1	Batch 2
Hydrogen, mol%	65.1	66.4	72.4	69.7
Carbon Dioxide, mol%	23.9	23.8	16.8	17.1
Methane, mol%	6.5	5.4	4.9	7.6
Ethane, mol%	0.1	0.1	0.1	0.0
Propane, mol%	0.0	0.0	0.0	0.0
cis-2-Butene, mol%	0.1	0.1	0.5	0.4
Carbon Monoxide, mol%	4.3	4.2	5.4	5.2

FIG. 5